

Nº 12

5365

5610

Albatross

507

19ND

781



Laet. N. no. 4933.

Dredge } No. 575 Date, Sep. 21, 1909
Hydrog. }

Sdg. Mch. Lucas Reel L Shot } 35 lbs.

Turns 243 Cor'n - Depth 243 fms.

Sdg. Cup Sigsbee Amt. Bot'm Sample Smt. amt.

Character of Bottom Spt. Sh.

Thermom. { Make N.B. Instr. - .7
No. 108015 Cor'n { Stem.

Bottom Reading 53° Cor'd Temp. 52.3

Temp. Surf. { 84° Time 1:00 P.M. 86°
84° Time 1:22 P.M. Air 86°

Density: Surf. fms.

Wind: Direction E by N-SE Force 2 - 3

Baromet. 29.86 Amt. of Clouds 7 State of Sea 5

Weather be

Direction and Force of Current { Surface
Bottom

Tide ..

General Locality North of Tawi Tawi

Danane I (N) S 69°W. Basbas I (mid.)

Position 5° 51' 42" N - 120° 30' 30" E

Chart used: No. 4727 Ed'n -

Drift: Direction N 45° E Distance 0.7 m.

Depth of Haul Bottom

Apparatus and Rig used 9' Tamer, 3 glass flts,
2 wing wts., 1 tail wt., sandbag

Time towing - h. 21 m.

Remarks:

Deck Officer Mr. Hazard Recorder Frank
11-1023

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
P M.	DOWN.	UP.		P M.	DOWN.	UP.
12	30 00	12 35 35	0	12	41 20	126 10
	30 55	34 40	100		41 00	33 00
	31 50	33 50	200		48 40	30 00
12	37 20	12 33 20	243 300		52 10	27 05
			400		56 10	24 05
			500	1 00 20	1 21 05	
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200	(m)	869 m	
			3300			
			3400			
			3500		6.	
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

N 4° W

Dammed (m) 869 m

Dredge } No. 556 Date, Sep. 21, 1909
Hydrog.

Sdg. Mch. Lucas Reel L. Shot } 35 lbs.
Lead

Turns 244 Cor'n - Depth 244 fms.

Sdg. Cup Sigsbee Amt. Bot'm Sample Sml. amt.

Character of Bottom fine S. Sh.

Thermom. { Make N.B. Instr. - 7
No. 128215 Cor'n { Stem.

Bottom Reading 53.2° Cor'd Temp. 52.5

Temp. Surf. { 84° Time 2:00 p.m. Air { 84°
84° Time 2:35 p.m. 84.5°

Density: Surf. fms.

Wind: Direction S.E. Force 3

Baromet. 29.82 Amt. of Clouds 7 State of Sea S

Weather bz

Direction and Force of Current. { Surface
Bottom

Tide

General Locality North of Tawi Tawi

Damne I (N) S 67°W - Basbas I (nw)

Position 5°52'12" N - 120°31'00" E

Chart used: No. 4722 Ed'n -

Drift: Direction N 56° E Distance 1.6 m.

Depth of Haul Bottom

Apparatus and Rig used 95 before, minus mud bag

Time towing - h. 2) m.

Remarks:

Deck Officer Mr. Hazard Recorder A. M. K. T. -
11-1023

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. DOWN.	UP.	M.		M. DOWN.	UP.	M.
1 40 00	1 45 30		0	1 48 00	2 49 30	
41 00	44 30		100	51 50	46 20	
41 50	43 40		200	52 40	43 20	
1 42 10	1 43 10	244	300	53 20	40 25	
			400	2 04 50	37 55	
			500	2 06 50	2 34 15	
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			6.8
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

137

N 7° W.

Dammid (a) 867 N

Dredge } No. 5567 Date, Sep 21, 1909.
Hydrog. }

Sdg. Mch. Lucas Reel 1 Shot 35 lbs.

Turns 268 Cor'n - Depth 268 fms.

Sdg. Cup Sigsbee Amt. Bot'm Sample Trace

Character of Bottom fine sand

Thermom. { Make N.B. Instr. 4.7
No. 108015 Cor'n { Stem.

Bottom Reading 52.7° Cor'd Temp. 52.0

Temp. Surf. { 83° Time 4:00 p.m. Air { 85.5°
83° Time 4:27 p.m. Air 84°

Density: Surf. fms.

Wind: Direction SE Force 2-3

Baromet. 29.82 Amt. of Clouds 5 State of Sea 5

Weather fog.

Direction and Force of Current { Surface
Bottom

Tide

General Locality North of Tawi Tawi

Damme I (N) N 81° W - Dasan Id.

Position 5° 48' 00" N - 120° 33' 45" E.

Chart used: No. 4722 Ed'n -

Drift: Direction N 71° E Distance 1.2 m.

Depth of Haul Bottom

Apparatus and Rig used As before, plus mudbag.

Time towing - h. 24 1/2 m.

Remarks:

Deck Officer M. F. Haged Recorder F. R. Gilmore
11-1023

M. Rohango. C. P. Delany.

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. DOWN.	UP.	M.		M. DOWN.	UP.	M.
3	33 00	3	38 55	0	3	43 45
	33 55		38 05	100	4	47 50
	34 50		37 20	200	5	51 20
3	35 35	3	36 35	300	54 40	34 15
			268	400	57 10	31 10
				500	4 02 35	26 00
				600	4 04 30	26 00
				700		
				800		
				900		
				1000		
				1100		
				1200		
				1300		
				1400		
				1500		
				1600		
				1700		
				1800		
				1900		
				2000		
				2100		
				2200		
				2300		
				2400		
				2500		
				2600		
				2700		
				2800		
				2900		
				3000		
				3100		
				3200		
				3300		
				3400		
				3500		
				3600		
				3700		
				3800		
				3900		
				4000		
				4100		
				4200		
				4300		
				4400		
				4500		
				4600		
				4700		
				4800		
				4900		

(S) S 62°W.

Damned (or) N 81°W

9.

Dredge } No. 5368 Date, Sept 21 1909
Hydrog. }
Sdg. Mch. Reel Shot } Lead lbs.
Turns Cor'n Depth 17m 1/2 fms.

Sdg. Cup Z Amt. Bot'm Sample

Character of Bottom S. Coa

Thermom. { Make Cor'n Instr.
No. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { 83° Time 645° Air { 82°
82° Time 6100 82°

Density: Surf. fms.

Wind: Direction Various Force 0 to 3

Baromet. 29.86-29.92 Amt. of Clouds 1 to 7 State of Sea 2

Weather Sogiv

Direction and Force of Current { Surface
Bottom

Tide

General Locality Singaard (N) West; Singaard (S) S 27° 00'; N. of Tawi Tawi
Position 5° 45' 50" N; 120° 26' 00" E

Chart used: No. 4722 Ed'n

Drift: Direction F Distance

Depth of Haul surface

Apparatus and Rig used 9' Intermediate
over side at surface while
at anchor

Time towing 11 h. 20 m.

Remarks: Ship at anchor

Deck Officer Recorder C. E. H. Long
11-1023

SOUNDING WIRE		FMS.	DREDGING CABLE.	
M. DOWN.	UP.	M.	M. DOWN.	UP.
		0		
		100		
		200		
		300		
		400	6 33 00	10 00
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		
		2500		
		2600		
		2700		
		2800		
		2900		
		3000		
		3100		
		3200		
		3300		
		3400		
		3500		
		3600		
		3700		
		3800		
		3900		
		4000		
		4100		
		4200		
		4300		
		4400		
		4500		
		4600		
		4700		
		4800		
		4900		

Dredge No. 1 Date, 19

Sdg. Mech. Lucas Reel 2 Shot 35 lbs.

Turns Cor'n Depth fms.

Sdg. Cup 100 Amt. Bot'm Sample

Character of Bottom

Thermom. { Make N.Y. Cor'n { Instr. - 7
No. Cor'n Stem.

Bottom Reading 53 Cor'd Temp. 52.3

Temp. Surf. { Time 6 { Air {
Time

Density: Surf. fms.

Wind: Direction N.E. Force 2

Baromet. 29.95 Amt. of Clouds 6 State of Sea S

Weather

Direction and Force { Surface
of Current. { Bottom

Tide

General Locality 11

Position 33° 15' N. 71° 15' W.

Chart used: No. 4722 Ed'n

Drift: Direction 73° Distance

Depth of Haul Bottom

Apparatus and Rig used

Time towing h. m.

Remarks

Deck Officer 11/14 Recorder

SOUNDING WIRE.				FMS.	DREDGING CABLE.			
M.	DOWN.	UP.	M.		M.	DOWN.	UP.	M.
16	00	8	22	20	0	8	26	15
					100			
					200			
					300			
					300			
					400			
					500			
					600			
					700			
					800			
					900			
					1000			
					1100			
					1200			
					1300			
					1400			
					1500			
					1600			
					1700			
					1800			
					1900			
					2000			
					2100			
					2200			
					2300			
					2400			
					2500			
					2600			
					2700			
					2800			
					2900			
					3000			
					3100			
					3200			
					3300			
					3400			
					3500			
					3600			
					3700			
					3800			
					3900			
					4000			
					4100			
					4200			
					4300			
					4400			
					4500			
					4600			
					4700			
					4800			
					4900			

Dredge No. 5 / Date, 19

Hydrog. / Sdg. Mech. 5.000 Reel 5 Shot 5 lbs.

Turns 5 Cor'n 5 Depth 5 fms.

Sdg. Cup 5 Amt. Bot'm Sample 5

Character of Bottom 5

Thermom. { Make 5 Cor'n { Instr. 57
No. 5 Stem.

Bottom Reading 53 Cor'd Temp. 52.3

Temp. Surf. { 53 Time 5 Air 57
Time

Density: Surf. 5 fms.

Wind: Direction Variable Force 1

Baromet. 29.92 Amt. of Clouds 5 State of Sea 5

Weather 5

Direction and Force { Surface 5
of Current. Bottom 5

Tide 5

General Locality 500 fms. S. of Cape H.

Lat. 31° 30' S. Long. 176° 30' E. Depth 50 fms.

Position 50° 30' S. 176° 30' E. Long 12° 15' S. Lat 57° 30' E.

Chart used: No. 11723 Rd'n 5

Drift: Direction N. 45° W. Distance 1.0

Depth of Haul 12 fms.

Apparatus and Rig used As before

Time towing, h. 5 m. 5

Remarks: 5

Deck Officer 5 Recorder 5
11-1023

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. DOWN.	UP.	M.		M. DOWN.	UP.	M.
7 1/2	7 1/2		0	10 04 00	11 03 50	
5 1/2	5 1/2		100	07 45 11	00 40	
3 1/2	3 1/2		200			
1 1/2	1 1/2		300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

Dredge No. 557 Date Sept. 21, 1907
Hydros. Sdg. Mech. 25 fms. Reel 25' Shot 10 lbs.
Turns 340 Cor'n - Depth 340 fms.
Sdg. Cup 25' Amt. Bot'm Sample 20 fms.
Character of Bottom 25' -
Thermom. { Make N.B. Cor'n { Instr. - 7
No. 128. Cor'n { Stem.
Bottom Reading 53° Cor'd Temp. 42°
Temp. Surf. { 84° Time 2:00 p.m. Air { 81°
84° Time 2:22 p.m. Air 81.5°
Density: Surf. fms.
Wind: Direction ESE Force 3
Baromet. 29.84 Amt. of Clouds 2 State of Sea
Weather 2c

Direction and Force of Current { Surface
Bottom

Tide -
General Locality North of Tern Island
C. 1,200 fms. - 100 fms.
Position 55° 10' N - 120° 10' E
Chart used: No. 4722 Ed'n -
Drift: Direction 116° Distance 112 m.
Depth of Haul Bottom
Apparatus and Rig used 1. Trawl, 2. Net, 3. Trawl
Time towing - h. 2/ m.
Remarks:

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
\textcircled{P}	M. DOWN.	UP.	\textcircled{P}	M.	\textcircled{P}	M.
	1 37 40	1 35 25	0		1 38 30	2 45
	18 35	34 25	100		1 38 30	2 45
	29 15	13 30	200		1 38 30	2 45
	20 35	32 30	300		1 38 30	2 45
	1 31 00	1 32 00	400		1 38 30	2 45
			500		2 38 30	2 45
			600		2 38 30	2 45
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

Dredge No. 5770 Date, Oct 20, 1909
Hydrog. Sdg. Mech. 22222 Reel 2 Shot & Lead 2 lbs.
Turns 334 Cor'n — Depth 334 fms.
Sdg. Cup 21222 Amt. Bot'm Sample 1/22
Character of Bottom 23
Thermom. { Make T15 Cor'n { Instr. 7
No. 108015 Stem
Bottom Reading 53° Cor'd Temp. 52.3
Temp. Surf. { 52° Time 3:35 P.M. { Stir 52°
Time 4:15 P.M. { Stir 51°
Density: Surf. fms.
Wind: Direction SW Force 3-2
Baromet. 29.95 Amt. of Clouds 5 State of Sea S
Weather
Direction and Force { Surface
of Current. { Bottom
Tide
General Locality 7 miles off Town Town
Position 102° 20' N. Lat. 102° 20' E. Long.
Chart used: No. 4722 Ed'n
Drift: Direction 15° S. E. Distance 1
Depth of Haul 10 fms.
Apparatus and Rigs used 10 fms. but 11
Time towing h. 26 m.
Remarks:

SOUNDING WIRE.

M. DOWN.	UP.	M.
1 17 22	2 07 00	
2 00 47	04 00	
01 10	15 00	
02 10	22 50	
2 12 20	2 02 10	334

FMS.

0
100
200
300
400
500
600
700
800
900
1000
1100
1200
1300
1400
1500
1600
1700
1800
1900
2000
2100
2200
2300
2400
2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000
4100
4200
4300
4400
4500
4600
4700
4800
4900

DREDGING CABLE.

M. DOWN.	UP.	M.
3 10	15	4 18 50
15 45		16 22 40
19 20		12 25 10
23 00		09 18
26 00		
5 22		
2 12 30		

Dredge } No. 52773 Date, Sept 22, 1923
Hydrog. }
Sdg. Mch. Reel Shot } Lead lbs.

Turns Cor'n Depth 12 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

Thermom. { Make Cor'n { Instr.
No. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { 83° Time 6:05 } Air { 83°
Time

Density: Surf. fms.

Wind: Direction N. Force 1-4

Baromet. 29.69-29.72 Amt. of Clouds 1-5 State of Sea

Weather

Direction and Force { Surface
of Current. Bottom

Tide

General Locality 2 miles SSW of 862; 11° 11' S. Lat. 130° 30' E.

Position 11° 11' S. Lat. 130° 30' E.

Chart used: No. 4722 Ed'n

Drift: Direction Distance

Depth of Haul Surface

Apparatus and Rig used 9' 11" Trawl

Currents available at sea

Time towing h. m.

Remarks:

Ship at anchor

Deck Officer Recorder

11-4023

SOUNDING WIRE.

M. Down. | UP. M.

FMS.

DREDGING CABLE.

P M. Down. Up. 2 M.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

4100

4200

4300

4400

4500

4600

4700

4800

4900

Dredge No. 19

Sdg. Mch. Reel Shot Lead lbs.

Turns Cor'n Depth 340 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

Thermom. Make Cor'n Instr. Cor'n Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. 82 Time 7:10 A.M. 81
82 Time 7:44 A.M. Air 81

Density: Surf. fms.

Wind: Direction Variable Force 1

Baromet. 29.93 Amt. of Clouds 9 State of Sea S.

Weather NC 222

Direction and Force of Current Surface Cor'n
Bottom

Tide

General Locality North of Tawi

Latitude 11° 55' S. Lat. 85° 15' E.

Position 11° 55' S. Lat. 120° 00' E.

Chart used: No. 4722 Ed'n

Drift: Direction 55° S. Distance 1.2

Depth of Haul 12 fms.

Apparatus and Rig used 9' Lawrence Trawl

With weight and line

Time towing: 2 h. 25 m.

Remarks:

Deck Officer Recorder

11.10.23

SOUNDING WIRE.

FMS.

DREDGING CABLE.

M. DOWN.	UP.	M.		M. DOWN.	UP.	M.
			0	6	56	00
			100	5	9	50
			200	7	03	40
			300	7	00	55
			400	10	10	52
			500			1
			600			1
			700	7	00	2
			800			1
			900			1
			1000			1
			1100			1
			1200			1
			1300			1
			1400			1
			1500			1
			1600			1
			1700			1
			1800			1
			1900			1
			2000			1
			2100			1
			2200			1
			2300			1
			2400			1
			2500			1
			2600			1
			2700			1
			2800			1
			2900			1
			3000			1
			3100			1
			3200			1
			3300			1
			3400			1
			3500			1
			3600			1
			3700			1
			3800			1
			3900			1
			4000			1
			4100			1
			4200			1
			4300			1
			4400			1
			4500			1
			4600			1
			4700			1
			4800			1
			4900			1

K21.06.8

Dredge } No. 108015 Date, 12/12/1911, 1911

Sdg. Mch. 20000 Reel 500 Shot } 30 lbs.

Turns 315 Cor'n — Depth 315 fms.

Sdg. Cup 1000 Jmt. Bot'm Sample

Character of Bottom Vg. S

Thermom. { Make JR Cor'n { Instr. 7
No. 108015 Stem.

Bottom Reading 55 Cor'd Temp. 52.3

Temp. Surf. { 82° Time 9:35 A.M. Air { 83°
92° Time 10:00 A.M. 83°

Density: Surf. fms.

Wind: Direction Variable Force 0-1

Baromet. 29.96 Amt. of Clouds 0-10 State of Sea

Weather 60° 0°

Direction and Force of Current { Surface
of Current. Bottom

Tide

General Locality 71° S. 15° E.

Position 50° S. 15° E.

Chart used: No. 4514 Ed'n —

Drift: Direction S. 86° E. Distance 2.5

Depth of Haul

Apparatus and Rig used

Time towing — h. 20 m.

Remarks:

Deck Officer Dr. H. J. G. Recorder 100011-1023

SOUNDING WIRE.

M. Down. | Up. | M.

FMS.

DREDGING CABLE.

M. Down. | Up. | M.

0		
100	17	20
200	20	25
300	23	27
400	27	30
500	35	35
600	33	35
600	31	33
700	31	33
800	31	33
900		
1000		
1100		
1200		
1300		
1400		
1500		
1600		
1700		
1800		
1900		
2000		
2100		
2200		
2300		
2400		
2500		
2600		
2700		
2800		
2900		
3000		
3100		
3200		
3300		
3400	19	21
3500		
3600		
3700		
3800		
3900		
4000		
4100		
4200		
4300		
4400		
4500		
4600		
4700		
4800		
4900		

Dredge } No. 1 Date, Sept. 23, 1910
Hydrog. }
Sdg. Mch. T. M. L. Reel 24 Shot Leads 1 lbs.

Turns 277 Cor'n 1 Depth 277 fms.

Sdg. Cup S. 22 E. Int. Bot'm Sample 1/4 oz.

Character of Bottom S.

Thermom. { Make NR Cor'n { Instr. 1.7
No. 108-15 Cor'n { Stem.

Bottom Reading 54° Cor'd Temp. 53.3

Temp. Surf. { 84° Time 11:00 a.m. Air { 84°
84° Time 11:31 a.m.

Density: Surf. fms.

Wind: Direction Variable Force 1-2

Baromet. 30.0 Amt. of Clouds 10 State of Sea 8

Weather 0°

Direction and Force of Current { Surface
Bottom

Tide

General Locality

Mt. Araneario S 22 W. Lat. 12° 20' S.

Position S 22 W. Lat. 12° 20' S.

Chart used: No. 181 Rd'n

Drift: Direction S 22 W. Distance 1.7

Depth of Haul Bottom

Apparatus and Rig used

Time towing 1 h. 8 m.

Remarks:

Deck Officer Recorder 11-1023

SOUNDING WIRE.		FMS.	DREDGING CABLE.	
M. DOWN.	UP.	M.	M.	M.
10	10	0	10	10
10	10	100	100	100
10	10	200	200	200
10	10	300	300	300
		400	400	400
		500	500	500
		600	600	600
		700	700	700
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		
		2500		
		2600		
		2700		
		2800		
		2900		
		3000		
		3100		
		3200		
		3300		
		3400		
		3500		
		3600		
		3700		
		3800		
		3900		
		4000		
		4100		
		4200		
		4300		
		4400		
		4500		
		4600		
		4700		
		4800		
		4900		

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
P. M. DOWN.	UP.	P. M.		P. M. DOWN.	UP.	P. M.
2	35	20	2	40	40	3
36	15	29	30	46	20	3
37	10	0	200	49	35	3
			300	54	40	3
			400	2		3
			500	3		3
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

Dredge } No. 5578 Date, 1/12/27, 1907
Hydrog }

Stdg. Mch. Reel Shot } lbs.

Turns Cor'n Depth 60 fms.

Stdg. Cup Amt. Bot'm Sample

Character of Bottom

Thermom. Make Cor'n Instr. Stem.

Bottom Reading 1 Cor'd Temp.

Temp. Surf. 82 Time 8:00 P } 77
81 Time 6:50 A Air } 77

Density: Surf. fms.

Wind: Direction S.E. Force 3

Baromet. 7.95 Amt. of Clouds 10 State of Sea

Weather of

Direction and Force of Current Surface
Bottom

Tide

General Locality

Position

Chart used: No. 4514 Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

W. J. A. 1/12/27

SOUNDING WIRE.

M. DOWN. | UP. M.

DREDGING CABLE.

FMS. P M. DOWN. UP. M.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

4100

4200

4300

4400

4500

4600

4700

4800

4900

Dredge } No. 19
 Hydrometer } Date, 19
 Sdg. Mch. Reel Shot Leads lbs.
 Turns Cor'n Depth fms.
 Sdg. Cup Amt. Bot'm Sample
 Character of Bottom
 Thermom. { Make 11, A. Cor'n { Instr. - 7
 { No. 11 Cor'n { Stem.
 Bottom Reading Cor'd. Temp. 55.3
 Temp. Surf. { 72 Time 7:15-51 { Air 71
 { 00 Time 7:15-51
 Density: Surf. fms.
 Wind: Direction Variable Force 2
 Baromet. Amt. of Clouds 9 State of Sea 6
 Weather
 Direction and Force of Current { Surface
 { Bottom
 Tide
 General Locality
 Position
 Chart used: No. 31 Edn
 Drift: Direction 37.0 Distance 1.5
 Depth of Haul Bottom
 Apparatus and Rig used
 Time towing h. 5 m.
 Remarks:

SOUNDING WIRE.

M. DOWN. | UP. | M.

FMS.

DREDGING CABLE.

M. DOWN. | UP. | M.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

4100

4200

4300

4400

4500

4600

4700

4800

4900

Dredge No. 19
 Hydrog. Date, 19
 Sdg. Mch. Reel Shot
Lead lbs.
 Turns Cor'n Depth fms.
 Sdg. Cup Siz. bee Amt. Bot'm Sample Trace
 Character of Bottom
 Thermom. { Make } Cor'n { Instr. } - 7
 { No. } Stem.
 Bottom Reading Cor'd Temp. 55.8
 Temp. Surf. { 83 Time 7:36 { Stir }
 Baromet. 29.9 Amt. of Clouds 9 State of Sea S.
 Weather
 Direction and Force of Current { Surface
 { Bottom
 Tide
 General Locality
 Position 35° 10' S. 175° 40' E.
 Chart used: No. 1472 Ed'n
 Drift: Direction S. 16 W. Distance 1.0
 Depth of Haul Bottom
 Apparatus and Rig used As before
 Time towing h. / m.
 Remarks:
 Deck Officer Recorder 11-1023

SOUNDING WIRE			FMS.	DREDGING CABLE		
M. DOWN.	UP.	A. M.		M. DOWN.	UP.	M.
19	00	21	20	0	29	00
19	40	9	20	100	32	50
			40	200	10	02
				300	37	58
				400	3	00
				500		
				600		
				700		
				800		
				900		
				1000		
				1100		
				1200		
				1300		
				1400		
				1500		
				1600		
				1700		
				1800		
				1900		
				2000		
				2100		
				2200		
				2300		
				2400		
				2500		
				2600		
				2700		
				2800		
				2900		
				3000		
				3100		
				3200		
				3300		
				3400		
				3500		
				3600		
				3700		
				3800		
				3900		
				4000		
				4100		
				4200		
				4300		
				4400		
				4500		
				4600		
				4700		
				4800		
				4900		

Dredge } No. 5. Date, Aug 24, 1900
Hydrog. }

Sdg. Mch. _____ Reel _____ Shot } Lead _____ lbs. _____

Turns _____ Cor'n _____ Depth _____ fms. _____

Sdg. Cup 2 Amt. Bot'm Sample _____

Character of Bottom Clay _____

Thermom. { Make Ad Cor'n { Instr. _____
No. _____ Stem. _____

Bottom Reading _____ Cor'd Temp. _____

Temp. Surf. { 83° Time 6.00 A.M. } Air { 82°
Time _____ }

Density: Surf. _____ fms. _____

Wind: Direction Various Force 0-4 ij

Baromet. 29.95-99 Amt. of Clouds 7 State of Sea _____

Weather Scattered

Direction and Force { Surface _____
of Current. Bottom _____

Tide _____

General Locality Off N. J. N. E.

Position Lat. 41° 15' N. Lat. 74° 30' W.

Chart used: No. 16 Ed'n 1

Drift: Direction _____ Distance _____

Depth of Haul _____

Apparatus and Rig used 10'

Time towing h. 1 m.

Remarks: Very bad weather.

Deck Officer _____ Recorder 11-1023

SOUNDING WIRE.		FMS.	DREDGING CABLE.					
M. DOWN.	UP.		M.	P	M. DOWN.	UP.	Q	M.
		0	Out		Arr.			
		100	Sept 25		Sept 26			
		200	5-5-5 00		6'00			
		300						
		400						
		500						
		600						
		700						
		800						
		900						
		1000						
		1100						
		1200						
		1300						
		1400						
		1500						
		1600						
		1700						
		1800						
		1900						
		2000						
		2100						
		2200						
		2300						
		2400						
		2500						
		2600						
		2700						
		2800						
		2900						
		3000						
		3100						
		3200						
		3300						
		3400						
		3500						
		3600						
		3700						
		3800						
		3900						
		4000						
		4100						
		4200						
		4300						
		4400						
		4500						
		4600						
		4700						
		4800						
		4900						

Dredge } No. 372 Date, 1900, 1900
Hydrog. }
Sdg. Mch. Tons. Reel' Length Shot
Leads lbs.
Turns 690 Cor'n Depth 690 fms.
Sdg. Cup Ligaboo Amt. Bot'm Sample 4 oz.
Character of Bottom any M. line S.
Thermom. { Make 67.2 Cor'n { Instr. 71
No. Stem.
Bottom Reading 39° Cor'd Temp. 38.3
Temp. Surf. { Time 12:00
82° Time 11:45 { Star
Density: Surf. fms.
Wind: Direction S. W. Force
Baromet. Amt. of Clouds State of Sea
Weather

Direction and Force of Current. { Surface
Bottom

Tide
General Locality Coast of Paracel O.
Position
Chart used: No. 2117 Ed'n
Drift: Direction S. 17 E. Distance 3
Depth of Haul Bottom
Apparatus and Rig used
flat, sandbag Time towing 11.17 m.
Remarks:

Deck Officer Recorder 11-1023
W. H. Johnson, H. C. Johnson

SOUNDING WIRE.				FMS.	DREDGING CABLE.			
M.	DOWN.	UP.	M.		M.	DOWN.	UP.	M.
10	00	20	10	18	85	0	22	20
01	10		18	15		100	25	35
02	05		17	30		200	30	00
03	05		16	30		300	34	25
04	15		16	05		400	37	35
05	25		15	20		500	40	25
06	45		14	30		600	43	15
08	10		13	40		700	46	15
						800		
10	10	50	10	11	30	890	52	00
						900	52	00
						1000	53	05
						1100	58	00
						1200	11	01
						1300	04	40
						1400	07	45
						1500	10	45
						1600	11	14
						1700		
						1800		
						1900		
						2000		
						2100		
						2200		
						2300		
						2400		
						2500		
						2600		
						2700		
						2800		
						2900		
						3000		
						3100		
						3200		
						3300		
						3400		
						3500	6	2
						3600		
						3700		
						3800		
						3900		
						4000		
						4100		
						4200		
						4300		
						4400		
						4500		
						4600		
						4700		
						4800		
						4900		

Dredge } No. 471 Date, 1971
Hydrog. } 1971

Sdg. Mch. Reel Shot
Lbds.

Turns 447 Cor'n Depth 447 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

Thermom. { Make 63 Cor'n { Instr. 7
No. 105015 Stem.

Bottom Reading 41° Cor'd Temp. 40.3

Temp. Surf. { 85° Time 1:55 Air {
84° Time 3:12 88°

Density: Surf. fms.

Wind: Direction Various Force 1-2

Baromet. Amt. of Clouds 7-8 State of Sea

Weather Soggy

Direction and Force { Surface
of Current. Bottom

Tide

General Locality 85 N, 114° E

Position 14° 19' N 114° 17' E

Chart used: No. H.O. 2117 Ed'n

Drift: Direction 45° E Distance

Depth of Haul

Apparatus and Rig used

Time towing 2.5 m.

Remarks:

Deck Officer Recorder 14-1023

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
22 M. DOWN.	UP.	2 M.		22 M. DOWN.	UP.	2 M.
44	357	571 50	100	2	00	20
45	30	51 05	200	04	10	15 40
46	25	50 20	300	07	50	12 30
47	30	49 30	400	10	30	09 00
48	00	49 00	500	14	00	06 00
			600	17	00	02 30
			700	20	05	57 40
			800	23	20	06 30
			900	25	50	
			1000	2	32	00
			1100	2		33 00
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			3 5
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

✓
 Dredge No. 5-5-84 Date, Oct 27, 19
 Hydro. Reel Shot 25 lbs.
 Sdg. Mech. Reel Lead 25 lbs.
 Turns 292 Cor'n Depth 292 fms.
 Sdg. Cup Ligulae Amt. Bot'm Sample 14 oz.
 Character of Bottom 0
 Thermom. Make AB Instr. 7
 No. 108015 Cor'n Stem.
 Bottom Reading 45 Cor'd. Temp. 45.5
 Temp. Surf. 54° Time 3:35 PM Air 80°
 81° Time 4:20 P.M. 81
 Density: Surf. fms.
 Wind: Direction Force
 Baromet. 29.98 Amt. of Clouds 7 State of Sea
 Weather
 Direction and Force of Current Surface
 Bottom
 Tide
 General Locality
 Position
 Chart used: No. 11117 Ed'n
 Drift: Direction Distance
 Depth of Haul Bottom
 Apparatus and Rig used As before
 Time towing h. 20 1/2 m.
 Remarks:
 Deck Officer Recorder
 11-10.5

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. DOWN.	UP.	M.		M. DOWN.	UP.	M.
20	234	2100	0	38	45	00
			100			
			200			
			300			
			400	51	10	32
			500	55	30	26 00
			600	401	30	22 00
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

Dredge } No. 3565 Date, Oct. 1, 1924
Hydrog. }
Sdg. Mch. 1000 Reel 100' Shot 3 lbs.

Turns 476 Cor'n 476 fms.

Sdg. Cup. Amt. Bot'm Sample 2 1/2

Character of Bottom

Thermom. Make Hg. Cor'n Instr. 1,7
No. 108018 Stem.

Bottom Reading 41.8° Cor'd Temp. 41.1

Temp. Surf. 82° Time 9:24 } Air 84°
84° Time 9:55 } 83°

Density: Surf. fms.

Wind: Direction Force

Baromet. 30.02 Amt. of Clouds 9 State of Sea

Weather

Direction and Force of Current. Surface
Bottom

Tide

General Locality 2100 fms. 1000 fms.
Position 1000 fms. 1000 fms.

Chart used: No. 1602117 Ed'n

Drift: Direction Distance

Depth of Haul Bottom

Apparatus and Rig used

Boat used 1000 fms. 1000 fms.

Speed of drift 1000 fms.

Time towing 1 h. 20 1/2 m.

Remarks:

Deck Officer A. H. [unclear] Recorder

SOUNDING WIRE.

M. DOWN.	UP.	M.
8 44 25	8 10 10	0
45 15	1 10	100
46 10 3	1 10	200
47 00	1 2 10	300
48 00	1	400
48 30	8	500

FMS.

DREDGING CABLE.		
M. DOWN.	UP.	M.
04 45	18 25	
05 10		
12 40	11 35	
13 70		
19 50	05 00	
22 40	10 00	05-
23 30	9 00	
1000		
1100		
1200		
1300		
1400		
1500		
1600		
1700		
1800		
1900		
2000		
2100		
2200		
2300		
2400		
2500		
2600		
2700		
2800		
2900		
3000		
3100		
3200		
3300		
3400		
3500		
3600		
3700		
3800		
3900		
4000		
4100		
4200		
4300		
4400		
4500		
4600		
4700		
4800		
4900		

Dredge } No. Date, 2000, 1900
Dredge } No. Date, 2000, 1900
Sdg. Mch. 1000 ft. Reel 1000 ft. Shot } 50 lbs.
Sdg. Cup Amt. Bot'm Sample
Character of Bottom
Thermom. { Make 11.3 Cor'n { Instr. 7
No. 108015 Cor'n { Stem.
Bottom Reading 44.7° Cor'd Temp. 44.7°
Temp. Surf. { 44.7° Time 11.0° Air
Clouds 7-10 11.0°
Density: Surf. fms.
Wind: Direction Variable Force 0-2
Baromet. 29.92 Amt. of Clouds 7-10 State of Sea 25
Weather 25 fm. 0°

Direction and Force { Surface
of Current. { Bottom

Tide

General Locality

Position 44° 11' N. Lat. 118° 47' W. Long.

Chart used: No. 10211 Ed'n

Drift: Direction N. 47° W. Distance 14 mi.

Depth of Haul Bottom

Apparatus and Rig used As before

Time towing h. 5.0 m.

Remarks:

Deck Officer Recorder 11-1023

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
Q. M.	DOWN.	UP.		Q. M.	UP.	Q. M.
11	08	10	111/3	0	11	18 00 12 3
				100		
				200	26 15	27
	27	55	10	300		
11	08	20	11 09 25-347	400	34 15	2
				500		1
				600		1
				700		
				800		
				900		
				1000		
				1100		
				1200		
				1300		
				1400		
				1500		
				1600		
				1700		
				1800		
				1900		
				2000		
				2100		
				2200		
				2300		
				2400		
				2500		
				2600		
				2700		
				2800		
				2900		
				3000		
				3100		
				3200		
				3300		
				3400		
				3500))
				3600		
				3700		
				3800		
				3900		
				4000		
				4100		
				4200		
				4300		
				4400		
				4500		
				4600		
				4700		
				4800		
				4900		

Id. (mid) week.

Dredge
Hydrography

Date,

, 19

Sdg. Mech. On model Reel 10 Shot Load 35 lbs.

Turns Cor'n Depth 415 fms.

Sdg. Cup *Amt. Bot'm*
Sample

Character of
Bottom - Dr. m. S. & Co. ✓

Thermom. { Make - N. Z. - 17
No. - 108015 Cor'n { Instr. -
Stem.

Bottom Reading 43 Cor'd Temp. 42.3

Temp. Surf. } Time } Air } 84°
Time } 85°

Density: Surf. *fms.*

Wind: Direction variable Force 1-2

Parameter	Amt. of Clouds	State of Seas
-----------	----------------	---------------

Went home 6:22

*Direction and Force
of Current.* { *Surface*
 Bottom

General Locality

General Locality: In the hills of the Colorado River valley.

W. H. H. 1870. 1871. 1872. 1873. 1874. 1875.

Chart used: No. 1607 (17) Ed'n

Drift: Direction $5^{\circ} 12' E$ Distance 1.5 mi

Depth of Haul Bottom:

Apparatus and Rio used

Deck Officer / *_____* Recorder / *_____* 11-1033

SOUNDING WIRE.		FMS.	DREDGING CABLE.			
M. DOWN.	UP.	M.	M.	UP.	M.	
		0	2	42	20	3
		100				58
		200				40
		300				
		400				
		500	3	01	10	41
		600		04	45	37
		700		08	30	34
		750	3	10	30	31
		800				30
		900				
		1000				
		1100				
		1200				
		1300				
		1400				
		1500				
		1600				
		1700				
		1800				
		1900				
		2000				
		2100				
		2200				
		2300				
		2400				
		2500				
		2600				
		2700				
		2800				
		2900				
		3000				
		3100				
		3200				
		3300				
		3400				
		3500				
		3600				
		3700				
		3800				
		3900				
		4000				
		4100				
		4200				
		4300				
		4400				
		4500				
		4600				
		4700				
		4800				
		4900				

Dredge } No. 555 Date, June 1, 1911
Hydrog. }
Sdg. Mch. Reel Shot } Lead } lbs.
Turns 2 Cor'n Depth 11 fms.
Sdg. Cup Amt. Bot'm Sample
Character of Bottom
Thermom. { Make 2 Cor'n { Instr.
No. Stem.
Bottom Reading Cor'd Temp.
Temp. Surf. { Time { Air
Time
Density: Surf. fms.
Wind: Direction Various Force 0-1
Baromet. 29.84 - 29.94 Amt. of Clouds 2-3 State of Sea S.
Weather
Direction and Force { Surface
of Current. { Bottom
Tide

General Locality Manila, Philippines; off Legazpi
Position 4° 15' S. 125° 10' E.
Chart used: No. 7117 Ed'n
Drift: Direction Distance
Depth of Haut 100 fms.
Apparatus and Rig used 10' Inverted dredge

Time towing h. m.

Remarks:

Ship at anchor

SOUNDING WIRE.

M. DOWN. | UP. M.

FMS.

DREDGING CABLE.

P M. DOWN. | UP. Q M.

0

400

2400

400

400

300

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

4100

4200

4300

4400

4500

4600

4700

4800

4900

3 4 5

117

Dredge	No. 4559	Date, 1912	2:45
Hydrog.			19 - 3
Sdg. Mch.	260	Reel	35
Turns	260	Cor'n	Depth 260 fms.
Sdg. Cup.		Amt. Bot'm	
Character of		Sample	
Bottom			
Thermom.	Make N.Y.	Instr.	-7
	No. 105015	Cor'n	Stem.
Bottom Reading	464°	Cor'd Temp.	45.7
Temp. Surf.	65°	Time 7:15	Air
	82°	Time 8:05 A.M.	81
Density: Surf.			fms.
Wind: Direction	Variables	Force	0 - 1
Baromet.	29.98	Amt. of	State of
		Clouds	Sea
Weather			
Direction and Force	Surface		
of Current.	Bottom		

Remarks:

Deck Officer John J. Gandy Recorder A. G. Long
14-1025
Gandy

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
A. M. DOWN.	UP.	A. M.		A. M. DOWN.	UP.	A. M.
7 10 10	7 10 00		0	7 22 00	8	
14 08	18 00		100	23 00		
18 00	11 10		200	29 45		
7 16 00	7 16 00		300	34 30		
			400	41 00	47	
			500	42 00		
			5000	43 00	6	
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

Tid e

General Locality. *On the coast of the Gulf of California.*

Franklin D. Roosevelt, 1933-1945

Position 44° 50' S 170° 10' E

Chart used: No. 111, 1941 / Edn 1

Drift: Direction S. 55 E. Distance. 1

Depth of Haul Balloon

Apparatus and Rig used

Time towing $h, \frac{1}{2}^{\text{nd}}$ m.

Remarks:

SOUNDING WIRE.				FMS.	DREDGING CABLE.			
M.	DOWN.	UP.	M.		M.	UP.	M.	
1	1	8	8	0	8	42	25	9
30	40	35	35	100	46	20	38	45
31	40	34	50	200				
32	40	34	00	300	53	40	32	20
8	32	50	8	400				
				500	9	00	30	25
				600				30
				700				
				800				
				900				
				1000				
				1100				
				1200				
				1300				
				1400				
				1500				
				1600				
				1700				
				1800				
				1900				
				2000				
				2100				
				2200				
				2300				
				2400				
				2500				
				2600				
				2700				
				2800				
				2900				
				3000				
				3100				
				3200				
				3300				
				3400				
				3500				
				3600				
				3700				
				3800				
				3900				
				4000				
				4100				
				4200				
				4300				
				4400				
				4500				
				4600				
				4700				
				4800				
				4900				

✓

Dredge } No. 1 Date, 19
 Hydrog. }
 Sdg. Mch. Reel Shot
 Turnus Cor'n Lead lbs.
 Sdg. Cup Imt. Bot'm Sample
 Character of Bottom
 Thermom. { Make Cor'n Instr.
 No. Cor'n Stem
 Bottom Reading Cor'd Temp.
 Temp. Surf. { 84.0 Time 10:55 A.M. Air { 74.0
 Time 10:55 A.M. Air { 74.0
 Density: Surf. fms.
 Wind: Direction Calm Force 0
 Baromet. 29.94 Amt. of Clouds 3 State of Sea S.
 Weather

Direction and Force { Surface
 of Current. Bottom

Tide

General Locality
 Position 41° 45' N. 106° 45' W.
 Chart used: No. 2117 Ed'n
 Drift: Direction S. 58° E. Distance 1.1

Depth of Haul 30 fms.

Apparatus and Rig used As above
 wind load.

Time towing h. 25 m.

Remarks:

Deck Officer Recorder

SOUNDING WIRE.

M. DOWN. UP. M.

FMS.

DREDGING CABLE.

M. DOWN. UP. M.

0	10	36	30	11	24	45
100		39	30		26	50
200		43	05		23	45
300		47	15		10	55
400		50	30		17	4
500	10	53	40	11	14	10
600						
700						
800						
900						
1000						
1100						
1200						
1300						
1400						
1500						
1600						
1700						
1800						
1900						
2000						
2100						
2200						
2300						
2400						
2500						
2600						
2700						
2800						
2900						
3000						
3100						
3200						
3300						
3400						
3500						
3600						
3700						
3800						
3900						
4000						
4100						
4200						
4300						
4400						
4500						
4600						
4700						
4800						
4900						

Dredg^r } No. 19
Hydrog. } Date, 1900
Sdg. Meh. } Line
Reel Line } Shot
Lad } & 6 lbs.
Turns Cor'n Depth 30 fms.
Sdg. Cup Int. Bot'm Sample 45
Character of Bottom An Ti

Thermom. { Make Cor'n Instr. - 7
No. / Cor'n Stem.
Bottom Reading 44° Cor'd Temp. 43.3

Temp. Surf. { 85° Time 3:45 P.M. Air { 83°
7° Time 4:12 P.M. 5°

Density: Surf. fms.

Wind: Direction Various Force 0-1
Baromet. 29.78 Amt. of Clouds 2 State of Sea

Weather

Direction and Force { Surface
of Current. Bottom

Tide

General Locality East of Borneo, 100 miles
S. of Simeulue, N. 10° E. Position 4° 12' S. 116° 27' E.
Position 4° 12' 45" S. 116° 27' 30" E.

Chart used: No. HO. 211 Ed'n

Drift: Direction Distance 0.7 m.

Depth of Haul Bottom

Apparatus and Rig used One-beam

Time towing = h. 10 m.

Remarks:

Deck Officer J. T. H. Recorder

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. DOWN.	UP.	M.		M. DOWN.	UP.	M.
			0			
			100	3	44	2
			200	1	11	2
			300	5	12	2
			400	7	17	2
			500	3	19	10
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

Dredge No. 2234 Date, Oct 27, 1912

Hydrog. Sdg. Mch. 1 Reel 7' N. Shot 3 lbs.

Turns 86 Cor'n 15 Depth 17 fms.

Sdg. Cup 1 Amt. Bot'm Sample *gravelly*

Character of Bottom

Thermom. { Make Instr.
No. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { Time Air
Time

Density: Surf. fms.

Wind: Direction Force

Baromet. Amt. of Clouds State of Sea

Weather

Direction and Force { Surface
of Current. Bottom

Tide

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer *✓* Recorder *✓* 11-1023

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M.	DOWN.	UP.	M.	M.	UP.	M.
			0			
			56 400			
			200			
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

Breadth } No. 53793 Date, Sept. 29, 1923
Hydrog. }
Sdg. Mch. 1. Reel 1. Shds. 3. lbs.
Turns 44 Cor'n. Depth 38 fms.
Sdg. Cup 2 Amt. Bot'm Sample
Character of Bottom
Thermom. { Make, 1. Cor'n, Instr. 1. Stem.
No. 2. Cor'n 2. Stem.

Bottom Reading Cor'd. Temp.
Temp. Surf. { 83° Time 7:35 } Air { 84°
84° Time 7:50 } Water { 83°

Density: Surf. fms.

Wind: Direction Force
Baromet. 29.84 Amt. of Clouds 4 State of Sea
Weather

Direction and Force of Current. { Surface
Bottom

Tide

General Locality 7.5 Km. S. 25° E.

Position 36° N., 118° 11' 20" E (East of)

Chart used: No. 113 Ed'n

Drift: Direction Distance

Depth of Haul Bottom

Apparatus and Rig used

Time towing h. 1.5 m.

Remarks: Towed

Deck Officer Recorder 11-1923

SOUNDING WIRE.

M. DOWN.	UP.	P	M.	FMS.
7 23	26	7	26	48 0
7 23 26	25	7	25 30	44 100 200

DREDGING CABLE.

P	M. DOWN.	UP.	M.
7 25	7 1	7 1	7 1
30 40	7 35	7 35	7 35

300
400
500
600
700
800
900
1000
1100
1200
1300
1400
1500
1600
1700
1800
1900
2000
2100
2200
2300
2400
2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000
4100
4200
4300
4400
4500
4600
4700
4800
4900

1/1.2

Dredge } No. 4 Date, Nov. 19, 1919
Hydrometer }
Sdg. Mch. Reel' Shot } lbs.
Turns Cor'n Depth 21 fms.
Sdg. Cup Amt. Bot'm Sampler
Character of Bottom
Thermom. { Make Vlt Cor'n { Instr.
No. Stem.
Bottom Reading Cor'd. Temp.
Temp. Surf. { 83° Time 7:25 P } Air { 26°
83° Time 9:00 P } Air { 7.8°
Density: Surf. fms.
Wind: Direction N.W. Force 4
Baromet. 29.86 Amt. of Clouds 9 State of Sea S
Weather

Direction and Force { Surface
of Current. Bottom
Tide
General Locality
Position 11° 20' N. 117° 53' 12" E.
Chart used: No. 2 Ed'n
Drift: Direction S Distance
Depth of Haul 10 fms.
Apparatus and Rig used seabed as surface
Time towing 1 h. 10 m.
Remarks: drift at 100 fms.

SOUNDING WIRE.		FMS.	DREDGING CABLE..	
M. DOWN.	UP.	M.	M. DOWN.	UP.
		0		9 00 10
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		
		2500		
		2600		
		2700		
		2800		
		2900		
		3000		
		3100		
		3200		
		3300		
		3400		
		3500		
		3600		
		3700		
		3800		
		3900		
		4000		
		4100		
		4200		
		4300		
		4400		
		4500		
		4600		
		4700		
		4800		
		4900		

Dredge } No. 25 ✓ Date, 11/11/1911
Hydrographer } 1911

Sdg. Mch. Reel Shot Leads lbs.

Turns Cor'n Depth 8 1/2 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

Thermom. { Make Cor'n { Instr.
No. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { Time Air {
Time

Density: Surf. fms.

Wind: Direction Force

Baromet. 7. 81 Amt. of Clouds 3 State of Sea 50

Weather

Direction and Force { Surface
of Current. Bottom

Tide

General Locality

✓ Position 6 34' 50" N 122 4 50" E

✓ Chart used: No. 1 1645 Ed'n.

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used 10' Dredge

Time towing h. m.

Remarks: Dredge in operation

Deck Officer Recorder

SOUNDING WIRE.

M. DOWN.	UP.	M.
----------	-----	----

FMS.

DREDGING CABLE.

M. DOWN.	UP.	M.
----------	-----	----

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

4100

4200

4300

4400

4500

4600

4700

4800

4900

Dredge No. 3

Date, Oct 10th, 1900

SDG. Mch.

Reel

Shot Leads

lbs.

Turns

Cor'n

Depth

8 1/2

fms.

SDG. Cup

Int. Bot'm Sample

Character of Bottom

Thermom. { Make

Chap

Cor'n { Instr.

Stem

Bottom Reading

Cor'd Temp.

Temp. Surf. { 81

Time 7, Oct 10

Air

Time 7, Oct 10

Density: Surf.

fms.

Wind: Direction

Force

Baromet. 29.86

Amt. of Clouds

State of Sea

Weather Pleasant

Direction and Force of Current { Surface

Bottom

Tide

General Locality

3 miles S. of Long Island

Position

Chart used: No. CS 4645 Ed'n

Drift: Direction

Measurements

Distance

Depth of Haul

Apparatus and Rig used

Time towing 1 h.

m.

Remarks: Wind E. 10 m.

Wind at anchor

Deck Officer

Recorder

11-1023

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. DOWN.	UP.	M.		M. DOWN.	UP.	M.
			0	6	00	00
			100	6	30	00
			200			
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

Dredge No. 17 Date, Oct. 19, 1907

Sdg. Mech. Reel Shot Lead lbs.

Turns Cor'n Depth fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

Thermom. { Make Cor'n { Instr. No. Cor'n { Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { 82 Time 12 02 { Air { 3
Time

Density: Surf. fms.

Wind: Direction SSE Force

Baromet. 30.02 Amt. of Clouds State of Sea

Weather

Direction and Force { Surface
of Current. { Bottom

Tide

General Locality

Position 60° 30' N. 150° 10' E.

Chart used: No. CS 4645 Ed'n

Drift: Direction Distance

Depth of Haul Surface

Apparatus and Rig used 10' Tote

Time towing 5 h. 20 m.

Remarks: Slight drift

Deck Officer C. V. Recorder J. J. 11-1023

SOUNDING WIRE.

M. DOWN. | UP. — M.

FMS.

DREDGING CABLE.

M. DOWN. | UP. — M.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

4100

4200

4300

4400

4500

4600

4700

4800

4900

Dredge } No. 5509 Date, Oct. 1, 1907

Sdg. Mch. Reel Shot } Lead lbs.

Turns Cor'n Depth 8' fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

Thermom. { Make Cor'n { Instr.
No. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { Time } Air {
Time

Density: Surf. fms.

Wind: Direction Force / -

Baromet. 29.92 Amt. of Clouds 8-10 State of Sea S

Weather

Direction and Force { Surface
of Current. Bottom

Tide

General Locality:

Position { F.C. 1000

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing 2 h. m.

Remarks: Sails at Archive

Wife at 1000

Deck Officer C. T. S. Recorder

SOUNDING WIRE.		FMS.	DREDGING CABLE.		
M. DOWN.	UP.	M.	M.	UP.	M.
		0	3	10	00
		100		6	10
		200			00
		300			
		400			
		500			
		600			
		700			
		800			
		900			
		1000			
		1100			
		1200			
		1300			
		1400			
		1500			
		1600			
		1700			
		1800			
		1900			
		2000			
		2100			
		2200			
		2300			
		2400			
		2500			
		2600			
		2700			
		2800			
		2900			
		3000			
		3100			
		3200			
		3300			
		3400			
		3500			
		3600			
		3700			
		3800			
		3900			
		4000			
		4100			
		4200			
		4300			
		4400			
		4500			
		4600			
		4700			
		4800			
		4900			

Dredge No. 5571 Date, Oct. 12 - 13, 1907
Hydrog. Sdg. Mech. Reel Shot Lead lbs.

Turns Cor'n Depth fms.
Sdg. Cup Amt. Bot'm Sample

Character of Bottom

Thermom. { Make Cor'n { Instr.
Temp. Surf. { No. Cor'n { Stem.

Bottom Reading Cor'd Temp.
Temp. Surf. { 56' Time { 10' } Air { 56'

Density: Surf. fms.

Wind: Direction Force

Baromet. 30.05 Amt. of Clouds 2 - 2 State of Sea

Weather Fair - Wind.

Direction and Force of Current { Surface
Bottom

Tide

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing 11 h. 15 m.

Remarks

Deck Officer, G. T. Recorder, G. T.
11-1023

SOUNDING WIRE.		FMS.	DREDGING CABLE.			
M. DOWN.	UP.	M.	M.	UP.	M.	
		0	6	20	00	5
		100				35
		200				00
		300				
		400				
		500				
		600				
		700				
		800				
		900				
		1000				
		1100				
		1200				
		1300				
		1400				
		1500				
		1600				
		1700				
		1800				
		1900				
		2000				
		2100				
		2200				
		2300				
		2400				
		2500				
		2600				
		2700				
		2800				
		2900				
		3000				
		3100				
		3200				
		3300				
		3400				
		3500				
		3600				
		3700				
		3800				
		3900				
		4000				
		4100				
		4200				
		4300				
		4400				
		4500				
		4600				
		4700				
		4800				
		4900				

Dredge	No.	Date,	1909
Hydro			
Sdg. Mch.		Reel	6
		Shot	6
Turns	Cor'n	Depth	fms.
Sdg. Cup		Amt. Bot'm	
Character of		Sample	
Bottom			
Thermom.	Make No.	Cor'n	Instr. Stem.
Bottom Reading			Cor'd Temp.
Temp. Surf.		Time	
		Time	Surf.
Density: Surf.			fms.
Wind: Direction.		Force	
Baromet.	Amt. of	State of	
Weather	Clouds	Sea	
Direction and Force	Surface		
of Current.	Bottom		
Tide			

General Locality -----

Position -----

Chart used: No. Ed'n

Drift: Direction ----- N. Distance -----

Depth of Haul -----

Apparatus and Rig used

Time towing h. m.

Remarks: A strong wind blowing from the S. S.E. at 10-12 m.p.h. The current was strong and the drift was to the N. N.E. The bottom was rocky and sandy. A number of shells were picked up.

Wind broken off and blew strongly in. Wind, water bottle, etc.

Deck Officer Recorder

SOUNDING WIRE.		FMS.	DREDGING CABLE.		
M. Down.	Up.	M.	M. Down.	Up.	M.
9 00	10 00	0			
10 00	11 00	100			
11 00	12 00	200			
12 00	13 00	300			
13 00	14 00	400			
14 00	15 00	500			
15 00	16 00	600			
16 00	17 00	700			
17 00	18 00	800			
18 00	19 00	900			
19 00	20 00	1000			
20 00	21 00	1100			
21 00	22 00	1200			
10 00	11 00	1300			
11 00	12 00	1400			
12 00	13 00	1500			
13 00	14 00	1600			
14 00	15 00	1700			
15 00	16 00	1800			
16 00	17 00	1900			
17 00	18 00	2000			
18 00	19 00	2100			
19 00	20 00	2200			
20 00	21 00	2300			
21 00	22 00	2400			
22 00	23 00	2500			
23 00	24 00	2600			
24 00	25 00	2700			
25 00	26 00	2800			
26 00	27 00	2900			
27 00	28 00	3000			
28 00	29 00	3100			
10 00	11 00	3200			
11 00	12 00	3300			
12 00	13 00	3400			
13 00	14 00	3500			
14 00	15 00	3600			
15 00	16 00	3700			
16 00	17 00	3800			
17 00	18 00	3900			
18 00	19 00	4000			
19 00	20 00	4100			
20 00	21 00	4200			
21 00	22 00	4300			
22 00	23 00	4400			
23 00	24 00	4500			
24 00	25 00	4600			
25 00	26 00	4700			
26 00	27 00	4800			
27 00	28 00	4900			

Dredge No. 5 Date, Oct. 19, 19

Sdg. Mch. Reel Shot Leads lbs.

Turns Cor'n Depth fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

Thermom. Make J. G. Cor'n Instr. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. 82 Time 7:05 P.M. Air

82 Time 7:32 P.M.

Density: Surf. fms.

Wind: Direction Force

Baromet. 29.83 Amt. of Clouds 1. State of Sea S.

Weather bsm

Direction and Force of Current Surface

Bottom

Tide

General Locality

Position

Chart used: No. Ed'n

Drift: Direction S. w. Distance

Depth of Haul Surface

Apparatus and Rig used

used as

/

Time towing h. 10 m.

Remarks:

Deck Officer Recorder 11-1023

SOUNDING WIRE.

M. DOWN. | UP. | M.

FMS. | DREDGING CABLE.

M. DOWN. | UP. | M.

0	7	05	00	7	34	00
400	7	6	7	7	34	00
200						
300						
400						
500						
600						
700						
800						
900						
1000						
1100						
1200						
1300						
1400						
1500						
1600						
1700						
1800						
1900						
2000						
2100						
2200						
2300						
2400						
2500						
2600						
2700						
2800						
2900						
3000						
3100						
3200						
3300						
3400						
3500						
3600						
3700						
3800						
3900						
4000						
4100						
4200						
4300						
4400						
4500						
4600						
4700						
4800						
4900						

Dredge } No. Date, Nov 13, 1909
Hydrog. }
Sdg. Mch. Reel L Shot } 6 lbs.
Turns Cor'n Depth 765 fms.

Sdg. Cup 13 Amt. Bot'm Sample

Character of Bottom

Thermom. { Make Cor'n { Instr.
No. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { 83° Time 2:45 p.m. { Air 81°

Density: Surf. fms.

Wind: Direction WSW Force 3

Baromet. 29.96 Amt. of Clouds

State of Sea S

Weather

Direction and Force of Current { Surface

Bottom

Tide

General Locality 74° S. 170° E.

Position 172° 50' S. 170° 45' E.

Chart used: No. 1727 710 Edn.

Drift: Direction S. 29° E. Distance 15

Depth of Haul

Apparatus and Rig used

Time towing h. 21 m.

Remarks:

SOUNDING WIRE.		FMS.	DREDGING CABLE.		
M. DOWN.	UP.	M.	M.	UP.	M.
1	22	0	1	28	00
	21	100			
		200			
	10	300	38	40	20
	19	400	71	00	
	18	500	71	00	
	17	600	48	00	25
	16	700	50	30	32
	15	800	21	00	15
		900	12	00	
		1000	21	00	15
		1100			
		1200	05	00	44
	1250	1300			
	1300	1400	16	00	41
	1350	1500	21	18	38
		1600			
		1700			
		1800			
		1900			
		2000			
		2100			
		2200			
		2300			
		2400			
		2500			
		2600			
		2700			
		2800			
		2900			
		3000			
		3100			
		3200			
		3300			
		3400			
		3500			
		3600			
		3700			
		3800			
		3900			
		4000			
		4100			
		4200			
		4300			
		4400			
		4500			
		4600			
		4700			
		4800			
		4900			

Dredge } No. _____ Date, _____, 19
Hydrog. }

Sdg. Mch. Sizes Reel Tusas Shot } _____ lbs.
Leads }

Turns 9.62 Cor'n _____ Depth 9.62 fms.

Sdg. Cup Amt. Bot'm Sample _____

Character of Bottom Soil _____

Thermom. { Make 52 Cor'n { Instr. _____
No. _____ Stem. _____

Bottom Reading _____ Cor'd. Temp. _____

Temp. Surf. { 52 Time 9:35 { Air { 51 _____
Time _____ }

Density: Surf. fms. _____

Wind: Direction Variable Force 0 - 1 _____

Baromet. 29.47 Amt. of Clouds 7 State of Sea _____

Weather _____

Direction and Force { Surface _____
of Current. Bottom _____

Tide _____

General Locality Gulf of Mexico N. Lat. _____

Position Lat. 28° 45' N. Long. 90° 15' W. N. Lat. _____

Chart used: No. 12 Ed'n _____

Drift: Direction South Distance 2.0 m.

Depth of Haul _____

Apparatus and Rig used 12 6 2 m. 200 m.

Time towing 1 h. 10 m.

Remarks: Considered to be a

bottom sample of 1.0 m.

Deck Officer Mr. Johnson Recorder Mr. B. C. B. 11-1023

SOUNDING WIRE.		FMS.	DREDGING CABLE.	
M. Down.	Up.	M.	M.	M.
		0		
		100		
		200		
		300		
		400		
		500	45	
		600		
		700		
		800		
		900		
		1000		
		1100		20 30
		1200		40 60
		1300		50 50
		1400		
		1500		70
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		
		2500		
		2600		
		2700		
		2800		
		2900		
		3000		
		3100		
		3200		
		3300		
		3400	North	
		3500		
		3600	71	
		3700		
		3800		
		3900		
		4000		
		4100		
		4200		
		4300		
		4400		
		4500		
		4600		
		4700		
		4800		
		4900		

Dredge No. 3 Date, 19
 Hydrog. Sdg. Mech. Lucas Reel 5 Shot 66 lbs.
 Turns 803 Cor'n Depth 80 fms.
 Sdg. Cup Amt. Bot'm Sample
 Character of Bottom
 Thermom. { Make Cor'n { Instr.
 No. 6 Cor'n Stem.
 Bottom Reading 82 Cor'd Temp.
 Temp. Surf. { 84° Time 1:50 P } 84°
 84° Time 3:00 P } Air { 83 1/2
 Density: Surf. fms.
 Wind: Direction Variable Force 2
 Baromet. 29.78 Amt. of Clouds 8 State of Sea S.
 Weather Breeze

Direction and Force { Surface
 of Current. Bottom

Tide

General Locality: Ontario Shelf
 Tangent to east side Gavontalo Bank
 Position (1)
 Chart used: No. 9423 Ed'n
 Drift: Direction East Distance 1 m.
 Depth of Haul 13 fms.
 Apparatus and Rig used 12' Agassiz
 incis. 1 tail with pl. 1

Remarks:

Carried away.

Deck Officer Recorder 11-1023

SOUNDING WIRE.		FMS.	DREDGING CABLE.	
M. DOWN.	UP.	M.	M.	M.
0	0	0	0	0
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				
1100				
1200				
1300				
1400				
1500				
1600				
1700				
1800				
1900				
2000				
2100				
2200				
2300				
2400		X		
2500				
2600				
2700				
2800				
2900				
3000				
3100				
3200				
3300				
3400				
3500				
3600				
3700				5700
3800				
3900				
4000				
4100				
4200				
4300				
4400				
4500				
4600				
4700				
4800				
4900				

Dredge } No. 5604 Date, Nov. 15, 19
Hydrog. }

Sdg. Mch. Reel Shot }
Turns Cor'n Depth fms. lbs.
Sdg. Cup Amt. Bot'm Sample

Character of
Bottom

Thermom. { Maker Cor'n { Instr.
No. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { 83° Time 7:25 A.M. } Air { 83°
85° Time 7:25 } 7:25

Density: Surf. fms.

Wind: Direction SW Force 2

Baromet. 29.80 Amt. of Clouds 5 State of Sea S

Weather Few. few

Direction and Force { Surface
of Current. Bottom

Tide

General Locality

Position 30° 15' N. 72° 12' W.

Chart used: No. B.A. 942 Ed'n

Drift: Direction Distance

Depth of Haul Surface

Apparatus and Rig used 10' Surf

Remarks: 15 27 1st
Time towing h. m.
15 27 1st

Deck Officer Recorder

SOUNDING WIRE.		FMS.	DREDGING CABLE.	
M. DOWN.	UP.	M.	M. DOWN.	UP.
		0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		
		2500		
		2600		
		2700		
		2800		
		2900		
		3000		
		3100		
		3200		
		3300		
		3400		
		3500		
		3600		
		3700		
		3800		
		3900		
		4000		
		4100		
		4200		
		4300		
		4400		
		4500		
		4600		
		4700		
		4800		
		4900		

Dredge } No. 1 Date, 19

Hydrog. } Sdg. Meth. Reel Shot } Lead lbs.

Turns 6.21 Cor'n 716 Depth 647 fms.

Sdg. Cup Giga-bee Amt. Bot'm Sample

Character of Bottom

Thermom. { Make Cor'n { Instr. Stem.
No.

Bottom Reading 52° Cor'd Temp.

Temp. Surf. { 52° Time 9 0-3 } Air { 81 1/2°
62° Time 10 46 } 85°

Density: Surf. fms.

Wind: Direction Variable Force 0-1

Baromet. Amt. of Clouds State of Sea

Weather

Direction and Force { Surface
of Current. Bottom

Tide

General Locality Beaufort, N.C.

Position

Chart used: No. 1120 Ed'n 117

Drift: Direction 863.00 Distance 1.7 mi.

Depth of Haul Bottom

Apparatus and Rig used

Time towing h. m.

Remarks:

were this way registered - 16

Deck Officer

Recorder

SOUNDING WIRE.				FMS.	DREDGING CABLE.			
M. Down.	Up.	M.	M.		M. Down.	Up.	M.	M.
21	20	32	40	0	9	40	11	18
21	55	32	20	100	55	50	14	20
22	45	31	30	200	39	30	12	40
24	40	30	30	300	10	02	09	0
24	35	30	05	400	06	10	06	30
25	00	29	10	500	09	10	11	02
26	30	28	20	600	12	20	87	25
26	45	27	50	700	15	40	86	00
				800	19	10	81	00
				900				
				1000				
				1100				
				1200				
				1300				
				1400				
				1500				
				1600				
				1700				
				1800				
				1900				
				2000				
				2100				
				2200				
				2300				
				2400				
				2500				
				2600				
				2700				
				2800				
				2900				
				3000				
				3100				
				3200				
				3300				
				3400				
				3500				
				3600				
				3700				
				3800				
				3900				
				4000				
				4100				
				4200				
				4300				
				4400				
				4500				
				4600				
				4700				
				4800				
				4900				

Dredge No. 1116 Date, Nov. 19

Sdg. Mch. 2000 lbs. Reel 1000 lbs. Shot Lead 10 lbs.

Turns 834 Cor'n 834 Depth 834 fms.

Sdg. Cup 1000 lbs. Amt. Bot'm Sample 5

Character of Bottom 1000 lbs.

Thermom. Make V. Cor'n Instr. Stem.
No. 1000 lbs. Cor'n

Bottom Reading 82 Cor'd Temp.

Temp. Surf. Time Air 83°
Time Air 82 1/2°

Density: Surf. fms.

Wind: Direction West Force 3

Baromet. 30.00 Amt. of Clouds 4 State of Sea

Weather Calm

Direction and Force of Current Surface
Bottom

Tide

General Locality Otonomi Gulf

Position 10° 30' N. 106° 30' E. Lat. 10° 30' N. Long. 106° 30' E. Long.

Chart used: No. 1000 Ed'n

Drift: Direction S. 29 E. Distance 2.5

Depth of Haul Bottom

Apparatus and Rig used

see sketch

Sketch

Time towing h. 20 m.

Remarks

Deck Officer Recorder

SOUNDING WIRE.

M.	Down.	Up.	A.	M.
9	01	00	9	16 25
	02	10	15	25
	02	55	14	40
	03	40	13	55
	04	22	12	00

FMS.

0
100
200
300
400

DREDGING CABLE.

M.	Down.	Up.	A.	M.
9	18	60	11	05
	22	50	06	10
	26	45	03	10
	30	10	11	00
	35	10	17	00

500
600
700
800
900

1000
1100
1200
1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

4100

4200

4300

4400

4500

4600

4700

4800

4900

P2 P3 P4
Pd Pd Pd

Dredge } No. 5657 Date, Nov. 18, 19
Hydrographer }
Sdg. Mch. None Reel 5 Shot } 35 lbs.
Turns 761 Cor'n 761 Depth 761 fms.
Sdg. Cup 21 Amt. Bot'm Sample
Character of Bottom fine sand

Thermom. { Make Thermom. Cor'n { Instr. Thermom.
No. 100 Cor'n { Stem. 100

Bottom Reading 50 Cor'd. Temp.

Temp. Surf. { 50 Time 10:12 A.M. { 10:12 A.M. { Air
Temp. 50 Time 10:12 A.M. { 10:12 A.M. { Air

Density: Surf. 1.025 fms.

Wind: Direction SW Force 2

Baromet. 30.00 Amt. of Clouds 8 State of Sea Smooth

Weather Clear

Direction and Force of Current { Surface SW
Bottom SW

Tide Low

General Locality Off Cape Cod, S. E.

Position Lat. 41° 45' N. Long. 70° 30' W.

Chart used: No. 100 Ed'n 1

Drift: Direction SW Distance 10 miles

Depth of Haul 761 fms.

Apparatus and Rig used 5657

Time towing 2 h. 20 m.

Remarks:

Deck Officer W. J. C. M. Recorder W. J. C. M.

SOUNDING WIRE.				FMS.	DREDGING CABLE.			
M.	DOWN.	UP.	M.		M.	DOWN.	UP.	M.
8	7	8	7	0	8	7	8	7
19	00	30	20	100	16	55	06	40
17	7	20	25	200	17	20	2	5
22	05	28	15	300	17	05	58	20
23	10	27	30	400	9	06	55	35
				500	9	30		
				600				
				700				
				800				
				900				
				1000	15	40		
				1100	9	20	9	40
				1200				
				1300				
				1400				
				1500				
				1600				
				1700				
				1800				
				1900				
				2000				
				2100				
				2200				
				2300				
				2400				
				2500				
				2600				
				2700				
				2800				
				2900				
				3000				
				3100				
				3200				
				3300				
				3400				
				3500				
				3600				
				3700				
				3800				
				3900				
				4000				
				4100				
				4200				
				4300				
				4400				
				4500				
				4600				
				4700				
				4800				
				4900				

Dredge } No. 112. Date, Oct 22 1899, 1909
Hydrog. } Sdg. Mch. 100 lbs. Reel Lucas Shot } 25 lbs.
Sdg. Cup 100 lbs. Amt. Bot'm Sample 1/4 oz.
Character of Bottom ~~Bottom~~
Thermom. { Make 92. Cor'n Instr. 7
No. 9141 Stem
Bottom Reading 57° Cor'd Temp. 31.3
Temp. Surf. { 82° Time 11:10 Air 80°
63° Time 12:00 81°
Density: Surf. fms.
Wind: Direction N. Force 5
Baromet. 29.81 Amt. of Clouds 10 State of Sea
Weather ~~Q~~

Direction and Force { Surface
of Current. Bottom

Tide

General Locality

Position 2° 15' S. 19° 00' E.

Chart used: No. 261942 Ed'n

Drift: Direction S 45° W. Distance 10 miles

Depth of Haul bottom

Apparatus and Rigs used 12' line

Remarks:

Time towing h. 20 m.

Deck Officer W. L. ... Recorder C. C. ... 11.4023

SOUNDING WIRE.				FMS.	DREDGING CABLE.						
P	M.	DOWN.	UP.		P	M.	M.	DOWN.	UP.	P	M.
12	26	30	12 58 10	0	1	0300	3	21	30		
37	30	57	25	100	0.6	05		18	15		
38	35	56	45	200	10	35		15	25		
39	25	56	05	300	14	45		12	30		
40	15	55	25	400	18	25		09	00		
41	10	54	40	500	22	55		06	30		
42	05	54	00	600	26	20		03	20		
43	00	53	10	700	30	00	3	00	10		
44	05	52	30	800	33	20		56	80		
45	20	51	45	900	37	00		48	00		
46	45	50	20	1000	40	30		30	20		
12	47	60	12 58 10	1100							
				1200	44	30		44	00		
				1300	47	50		40	30		
				1400	48	30		36	50		
				1500	2	00	10	32	30		
				1600	2	02	10	2	30	10	
				1700							
				1800							
				1900							
				2000							
				2100							
				2200							
				2300							
				2400							
				2500							
				2600							
				2700							
				2800							
				2900							
				3000							
				3100							
				3200							
				3300							
				3400							
				3500							
				3600							
				3700							
				3800							
				3900							
				4000							
				4100							
				4200							
				4300							
				4400							
				4500							
				4600							
				4700							
				4800							
				4900							

Dredge No. 1252 Date, 1955

Sdg. Mch. Reel Shot & lbs.

Turns 1092 Cor'n Depth 1092 fms.

Sdg. Cup 2 l. Amt. Bot'm Sample 4 52

Character of Bottom Gr. M

Thermom. { Make N.Y. Cor'n { Instr. -17
No. 98246 Stem.

Bottom Reading 37° Cor'd Temp. 36.3

Temp. Surf. { 83° Time 3:52 P.M. { Air { 83°
Time /

Density: Surf. fms.

Wind: Direction N.W. Force 2-3

Baromet. 29.81 Amt. of Clouds 7 State of Sea 2-3

Weather clear

Direction and Force { Surface
of Current. { Bottom

Tide

General Locality

Position

Chart used: No. 36.942 Ed'n V

Drift: Direction S. 39° E. Distance 2.0

Depth of Haul Bottom

Apparatus and Rigs used

Time towing h. m.

Remarks:

Deck Officer Recorder 2010
11-4023

SOUNDING WIRE.

M. DOWN, | UP. | M.

FMS.

27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0
26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0	
25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0		
24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0			
23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0				
22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0					
21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0						
20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0							
19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0								
18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0									
17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0										
16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0											
15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0												
14	13	12	11	10	9	8	7	6	5	4	3	2	1	0													
13	12	11	10	9	8	7	6	5	4	3	2	1	0														
12	11	10	9	8	7	6	5	4	3	2	1	0															
11	10	9	8	7	6	5	4	3	2	1	0																
10	9	8	7	6	5	4	3	2	1	0																	
9	8	7	6	5	4	3	2	1	0																		
8	7	6	5	4	3	2	1	0																			
7	6	5	4	3	2	1	0																				
6	5	4	3	2	1	0																					
5	4	3	2	1	0																						
4	3	2	1	0																							
3	2	1	0																								
2	1	0																									
1	0																										
0																											

FMS.

DREDGING CABLE.

P M. DOWN. | UP. | P M.

5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	
7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32		
8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32			
9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32				
10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32					
11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32						
12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32							
13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32								
14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32									
15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32										
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32											
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32												
18	19	20	21	22	23	24	25	26	27	28	29	30	31	32													
19	20	21	22	23	24	25	26	27	28	29	30	31	32														
20	21	22	23	24	25	26	27	28	29	30	31	32															
21	22	23	24	25	26	27	28	29	30	31	32																
22	23	24	25	26	27	28	29	30	31	32																	
23	24	25	26	27	28	29	30	31	32																		
24	25	26	27	28	29	30	31	32																			
25	26	27	28	29	30	31	32																				
26	27	28	29	30	31	32																					
27	28	29	30	31	32																						
28	29	30	31	32																							
29	30	31	32																								
30	31	32																									
31	32																										
32																											

Dredge } No. 512, Date, 27/5/1907, 1907
Hydrog. } Reel 2, Shot Lead 2 lbs.

Turns Cor'n Depth fms.
Sdg. Cup Siphon Int. Bot'm Sample

Character of Bottom

Thermom. { Make Cor'n Instr.
No. Cor'n Stem.

Bottom Reading Cor'd. Temp.

Temp. Surf. { Time Air
Time

Density: Surf. fms.

Wind: Direction Force

Baromet. Amt. of Clouds State of Sea

Weather

Direction and Force { Surface
of Current Bottom

Tide

General Locality

Lat. 35° 45' N. Long. 130° 45' E.

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks

Currents strong, varying from
S. to N. with the tide, the current
being about 2 fms. per sec.
Wind from S. to N. with the tide,
about 10-12 fms. per sec.
Clouds, 1000 ft. high, scattered.
Sea, 1000 ft. high, scattered.

Deck Officer

Recorder

7/5/1907
11-1023

SOUNDING WIRE.

M. Down. | Up. | M.

FMS.

DREDGING CABLE.

M. Down. | Up. | M.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

4100

4200

4300

4400

4500

4600

4700

4800

4900

Dredge } No. 5610. Date, Nov 19, 1909
Hydrog }

Sdg. Mch. Lucas Reel L. Shot 35 lbs.

Turns 678 Cor'n Depth 678 fms.

Sdg. Cup Sigbee Amt. Bot'm Sample 4 oz.

Character of Bottom gy. M

Thermom. { Make N.B. Cor'n { Instr.
No. 66726 Stem.

Bottom Reading 82.2 (?) Cor'd Temp.

Temp. Surf. { 87° Time 4:57 p.m. Air { 84°
85° Time 5:20 p.m. 84°

Density: Surf. fms.

Wind: Direction Variable Force 2

Baromet. 29.77 Amt. of Clouds 7 State of Sea S

Weather Sc.

Direction and Force { Surface
of Current. Bottom

Tide

General Locality Tomini Gulf, S of Togian Id.

Batu Data (SW) N 87° W - Tog. Besar I

Position 0° 36' 00" S - 122° 01' 00" E.

Chart used: No. B. & G. 942 a Ed'n -

Drift: Direction N 63 W Distance 2.0 m.

Depth of Haul Bottom

Apparatus and Rig used 12' Agassiz; 2 glass floats; 2 wing weights; Tail weight

Time towing - h. 26 1/2 m.

Remarks:

Mr. Johnson

Deck Officer Mr. Hazen

Recorder Frank -

11-1023

SOUNDING WIRE.			FMS.	DREDGING CABLE.			
P	M. DOWN.	UP. P	M.	P	M. DOWN.	UP. P	M.
	52 50	4 05 40	0		4 09 55	5	50 25
	53 40	0 4 40	100		14 00		46 50
	52 30	0 2 50	200		18 00		43 50
	53 15	0 3 05	300		22 00		40 40
	56 10	0 2 25	400		25 35		37 30
	57 00	0 1 40	500		29 15		34 20
	58 00	4 00 15	600		33 40		31 10
3	57 50	3 59 50 678	700		37 25		28 00
			800		41 10		24 25
			900		45 50		20 40
			1000		4 50 00	5	16 30
			1100				
			1200				
			1300				
			1400				
			1500				
			1600				
			1700				
			1800				
			1900				
			2000				
			2100				
			2200				
			2300				
			2400				
			2500				
			2600				
			2700				
			2800				
			2900				
			3000				
			3100				
			3200				
			3300				
			3400				
			3500				
			3600				
			3700				
			3800				
			3900				
			4000				
			4100				
			4200				
			4300				
			4400				
			4500				
			4600				
			4700				
			4800				
			4900				

(mid) N 2 E.

Bataas

Batu Dakad (S) N 87 M

20.9 m

53.

7 - 40

3. 20

3.50

24.75

6.50

27.25

22 40

~~110. 12 00~~

~~t - 15 00~~

~~17 00~~

f - Tempos

13. 25

11. 45

2. 80

6.20

~~5.35~~

~~85~~

12.00

~~1.25~~

~~11. 75~~

~~15~~

9206.